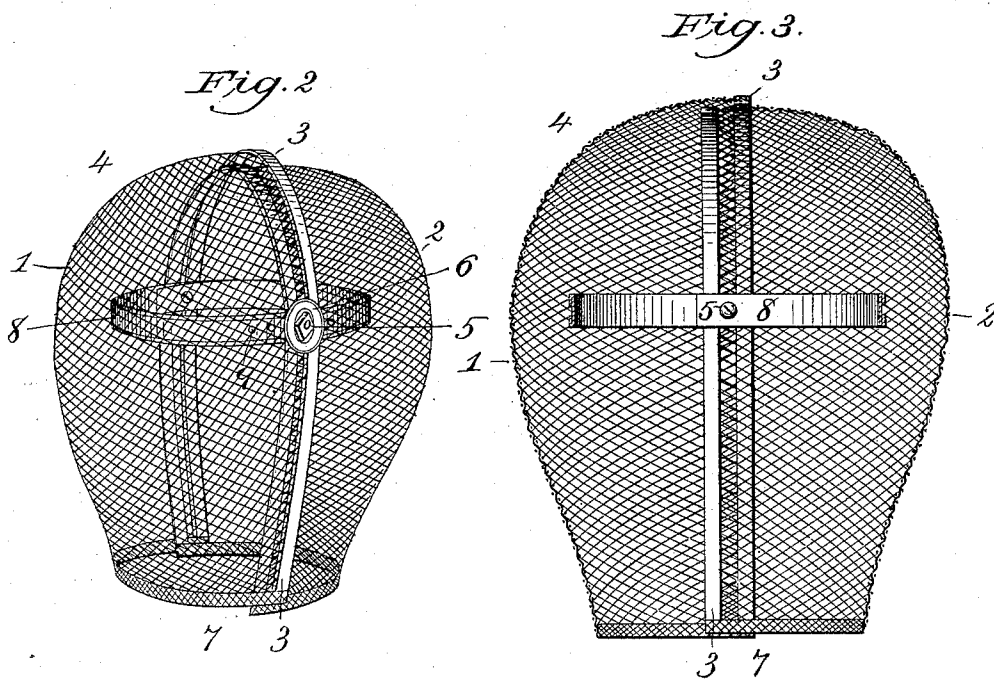
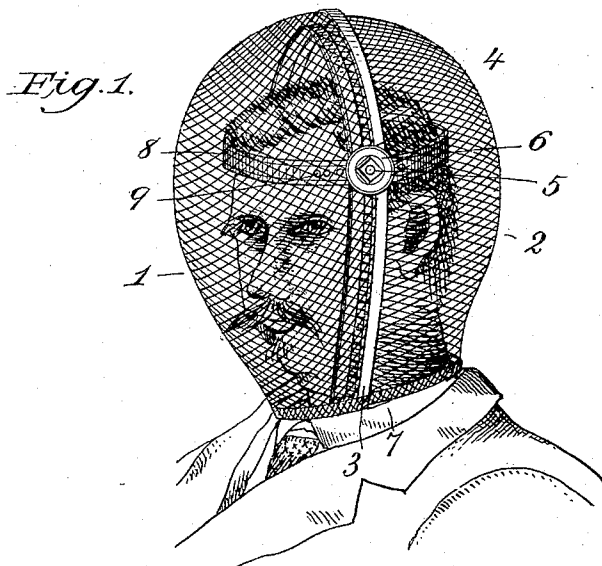


(No Model.)

J. M. JACOBS.
MASK FOR FIREMEN, &c.

No. 474,500.

Patented May 10, 1892.



Witnesses:

Wm. A. Schoonborn.
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By his Attorneys.

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UNITED STATES PATENT OFFICE.

JOHN M. JACOBS, OF DE WITT, IOWA.

MASK FOR FIREMEN, &c.

SPECIFICATION forming part of Letters Patent No. 474,500, dated May 10, 1892.

Application filed October 7, 1891. Serial No. 408,038. (No model.)

To all whom it may concern:

Be it known that I, JOHN M. JACOBS, a citizen of the United States, residing at De Witt, in the county of Clinton and State of Iowa, have invented a new and useful Mask, of which the following is a specification.

This invention relates to masks or head-protectors; and the objects in view are to provide a mask or head-protector adapted to be conveniently applied to the head, and thus protect the face, neck, and head from injury, and to be capable of permitting of a free action of the head of the user in looking up or down without displacing the mask, and to provide for a temporary opening or raising of the face-protecting portion of the mask when the user is performing other than dangerous work and does not require the same, and for an easy closing of said face-protecting portion when about to perform a duty of danger.

With the above objects in view the invention consists in certain features of construction hereinafter specified, and particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective view of a mask constructed in accordance with my invention, the same being applied in position. Fig. 2 is a perspective view of a mask in detail. Fig. 3 is a section of the same.

Like numerals of reference indicate like parts in all the figures of the drawings.

In forming the mask or protector I construct the same of a front face-section and a rear head-section, (designated as 1 and 2, respectively.) These sections each consist of a substantially inverted-U-shaped metal frame 3, to which is connected the edges of the reticulated wire protecting-frames 4. The rear frame 3 fits within the front frame, and the two are pivotally connected at opposite sides by means of a pair of bolts 5, passed between the two frames 3 or through the same, as may be desired, and provided upon their outer sides with disks or washers 6. The reticulated frames 4 and also the frames 3 may be of any desired strength, adapting the mask as a whole for different purposes—as, for instance, a fireman's mask to preserve his head

against falling brick or blazing brands would necessarily be heavier and stronger than would either the mask of a bottler for preserving the face from being cut by the flying glass or bursting bottles or the mask of a blacksmith for preserving the face from being burned by the sparks. The frames 4 of the face and head are given a general contour, agreeing therewith, as shown, and at their lower ends are reduced to approximate the size of the neck, as indicated at 7.

8 designates a sheet-metal or other band, the ends of which are perforated, as is also the middle, as indicated at 9, for the reception of the opposite bolts 5, which bolts serve as a pivotal support for the mask upon the ring, and one of said bolts has an adjustable connection between the overlapped terminals of the band. By adjusting the bolts in the perforations of the band the mask may be properly balanced thereon and the band adjusted in size to fit the head of the wearer.

In applying the mask it is simply necessary to swing the lower ends of the sections apart and insert the head within the ring. This ring supports the mask above the head and out of contact therewith, and being pivoted to the sections permits of a raising and lowering of the head without any disarrangement of the mask, so that a bottler, blacksmith, fireman, or other person is not interfered with in his work, while at the same time his face, head, and neck are preserved against injury from blazing brands, the glass of bursting bottles, sparks, &c.

From the above description, taken in connection with the accompanying drawings, it will be seen that I provide a mask of great simplicity and adapted to be conveniently worn by any one engaged in dangerous work, whereby a thorough protection is afforded, and that while wearing the mask the operator is not impeded in his work by reason thereof, but may freely glance up and down without danger of displacing the protector and without any inconvenience to himself. After the dangerous work has been performed the front section of the mask may be raised so as to expose the face, and thus other work may be carried on without the necessity of removing

the mask from the head, and as soon as the dangerous work is resumed the front section may be lowered.

Having described my invention, what I claim is—

1. In a mask, the combination, with the front and rear sections pivotally connected at their meeting edges, of the head-band pivotally connected at opposite sides to the sections, substantially as specified.

2. In a mask, the combination, with the front and rear sections pivotally connected at opposite sides, of the adjustable head-band pivotally connected to the sections, substantially as specified.

3. The combination, with the two inverted-U-shaped metal frames 3, having the reticu-

lated coverings 4, approximating the head and face of a person and reduced at their lower ends to form the neck 7, of the bolts 5, passing through and pivotally connecting the sections, and the head-band 8, having the overlapping ends and the perforations formed at the center and at the ends of the band, the same receiving the pivoting-bolts 5, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOHN M. JACOBS.

Witnesses:

T. F. BURKE,
E. MILLER.